

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-006194**Date Inspected:** 07-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai ,China**CWI Name:** Li Yan Hua**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector was present during the times noted above for observations relative to the work being performed.

Segment Repair Yard (North of the paint shop)

Segment 1BE

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as Floor beam component welds. The Weld Designations are as follows:

SSD45-PP10.5-003 and 132.

SSD45A-PP10.5-002 and 003.

SSD47-PP11-003, 137 220 and 240.

SSD47A-PP11-003, 137 220 and 240.

SSD45A-PP11.5-003 and 135.

SSD45-PP11.5-003 and 135.

SSD49-PP12-003 and 135.

SSD49A-PP12-003 and 135.

SSD45A-PP12.5-003 and 135.

SSD45-PP12.5-003 and 135.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The

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members are identified as the longitudinal diaphragm component welds. The Weld Designations are as follows:
SEG006B-005, 009, 013 and 017.
SEG006C-005, 009, 013 and 017.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the corner assembly component welds. The Weld Designations are as follows:

CA098-085~090, 071~076, 57~62, 43~48 and 015~020.

CA097-085~090, 071~076, 43~48 and 015~020.

CSD7-PP12-001~012

CSD5-PP11-001~012

CSD10-PP10.5-065~076

CSD6-PP11-063~074

CSD6-PP12-063~074

CSD10A-PP10.5-001~012

CSD10A-PP11.5-001~012

CSD10A-PP12.5-001~012

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (15000422372), who represents the Office of Structural Materials for your project.

Inspected By:	Patterson,Rodney	Quality Assurance Inspector
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Reviewed By:	Carreon,Albert	QA Reviewer
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